

ABSTRACT OF THE DISCLOSURE

A data conversion apparatus of this invention has a storage unit configured to store a conversion table to convert m-bit data into n-bit data, and a conversion
5 unit configured to convert the m-bit data into the n-bit data by using the conversion table stored in the storage unit. The conversion table contains a plurality of bit conversion codes to convert the m-bit data into the n-bit data. The bit conversion code is a code which
10 converts the m-bit data into the n-bit data that allows the minimum number d of consecutive "0" bits between "1" bits.